

# Greenville Overlook

## Environmental Daily Status Report



**BrightFields, Inc.**  
Environmental Services

**Date:** 8/13/08

**Weather:** Partly Cloudy

**Temperature:** 65-80°

**Winds:** 3-5 mph (variable)

**Remediation Items Completed Today:** BrightFields set up perimeter air monitoring to record airborne dust levels. Lewis Environmental is installing the construction entrance to the site on the north side of the property. As part of the process, Lewis is removing the blacktop on the former tennis court parking lot. Lewis is also grading the soil between the parking lot and Hercules Road. A BrightFields staff member recorded dust readings with a hand-held dust monitor at the point of construction.

**Remediation Items Ongoing:** Lewis Environmental continuing to install the construction entrance to the site. Landscaping fabric and stone will be applied to the construction entrance area. BrightFields will continue to monitor perimeter airborne dust levels and dust levels at the point of construction.

Data reported at location #5 includes spikes which occur in a rhythmic pattern apparently related to the measuring device itself. There were not sustained readings above action levels. The meter location was away from construction activity further supporting that the readings were not indicative of dust generated from construction.

**Material Management (Soil/Wood/Water):** No offsite disposal of material.

**Personal Protection Equipment Used by Workers:**

Used:  Safety glasses       Hard hat       Steel toe boots  
 Nitrile gloves       Hearing protection       Other:

**Needed:**

**Sampling or Monitoring Completed:**

(if yes, please specify the reason.)

Air monitoring on site       No       Yes, reason: Intrusive activity.

Soil sampling       No       Yes, reason:

**Visitors Briefed on Environmental Conditions:**

Lewis Environmental: Brian Hemmond, James Shollnee, Max Yocum

Toll Brothers: James Boston

BrightFields: Jason Wardrup

**Greenville Overlook  
Environmental Daily Status Report**



**Completed By:** Craig Olsen

Date: 8/13/08  
Weather: partly cloudy 65- 80°

## Greenville Overlook Hand-Held Dust Meter Air Monitoring Log



Time	Location	Dust (mg/m <sup>3</sup> )	Notes (i.e.: source of problem, weather, etc.)	Actions Taken
8:10	North side of property, just east of the tennis courts	0.016	Lewis is installing a construction entrance they are removing the blacktop and grading exposed soil.	No action needed
8:20		0.009		
8:29		0.025		
8:37		0.011		
9:01		0.030		
9:10		0.038		
9:15		0.010		
10:05		0.017		
10:40		0.015		
10:56		0.017		
11:05		0.044		
11:30		0.027		
11:45		0.045		
11:58		0.555		
12:11		0.070		
12:15		0.318		
12:30		0.014		
13:15		0.023		
13:36		0.007		→

Action Levels for Dust (sustained exceeding 5 minutes):

Dust Level

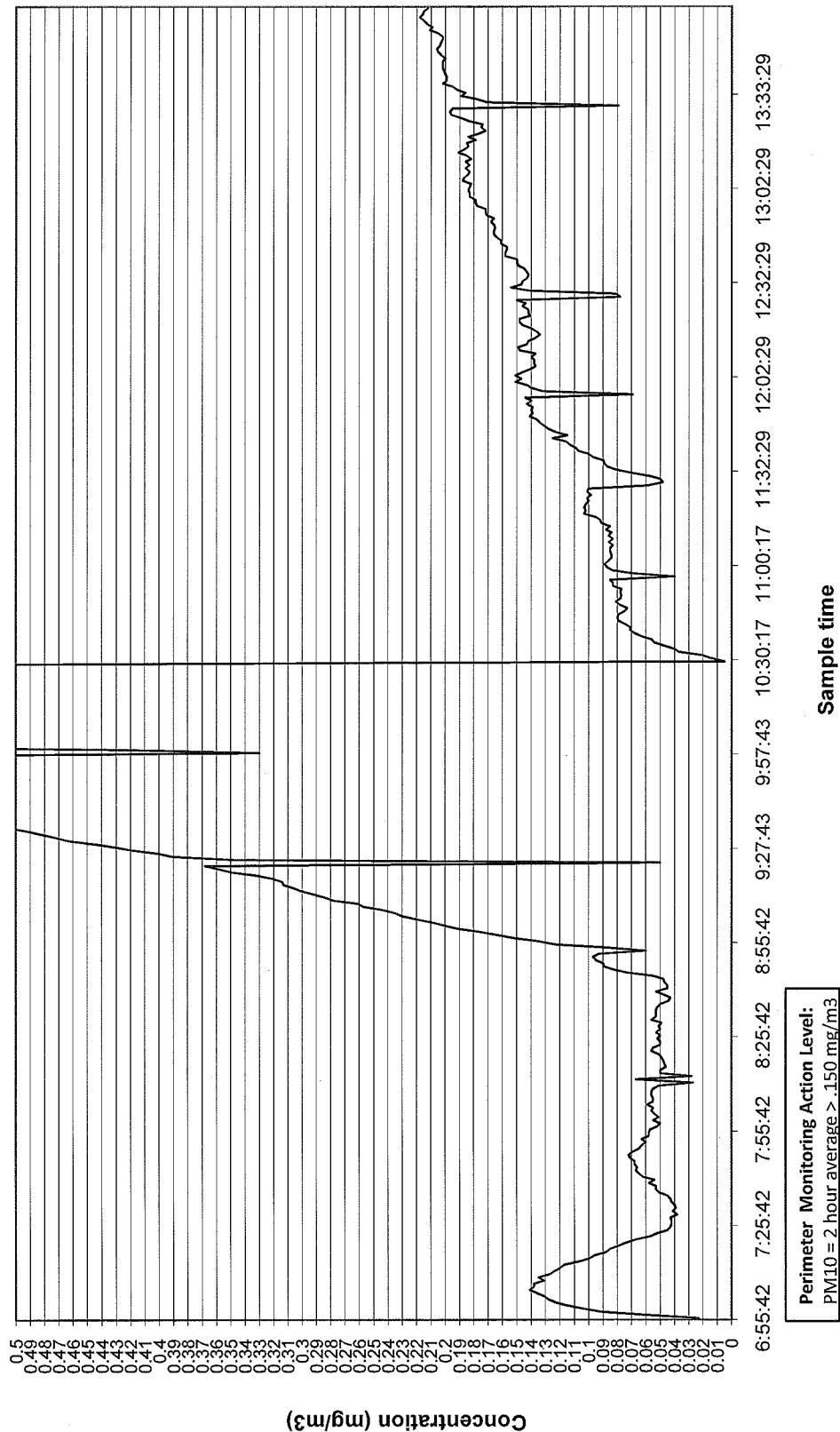
0.8mg/m<sup>3</sup>

Level of Protection

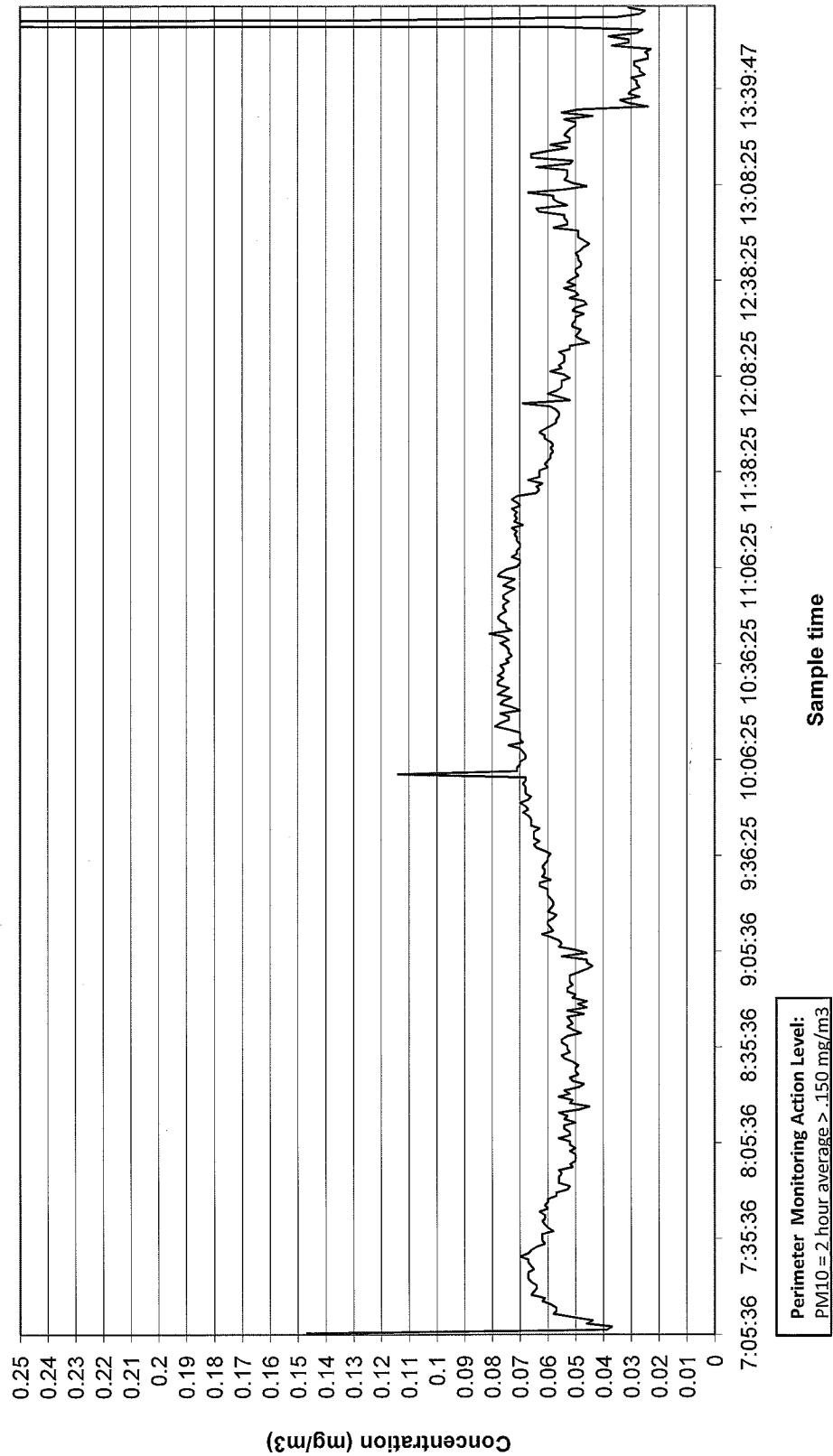
Level D plus engineering controls such as wetting surface.

≥ 2 mg/m<sup>3</sup>  
Stop work, evacuate workers and implement more stringent engineering controls and possible Level C.

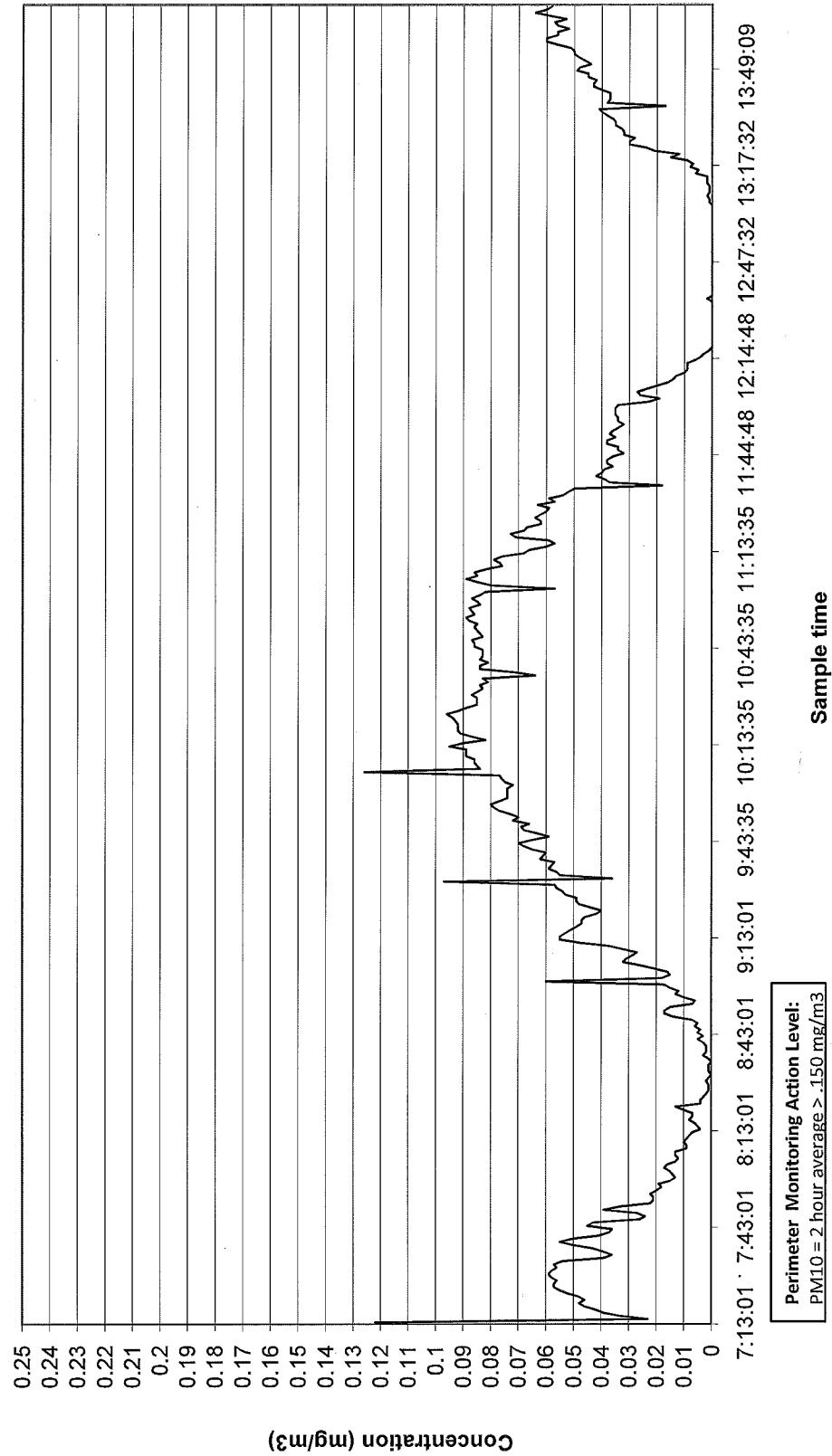
**Concentration Vs. Sample Time  
Perimeter Dust Meter Location 1  
8/13/08**



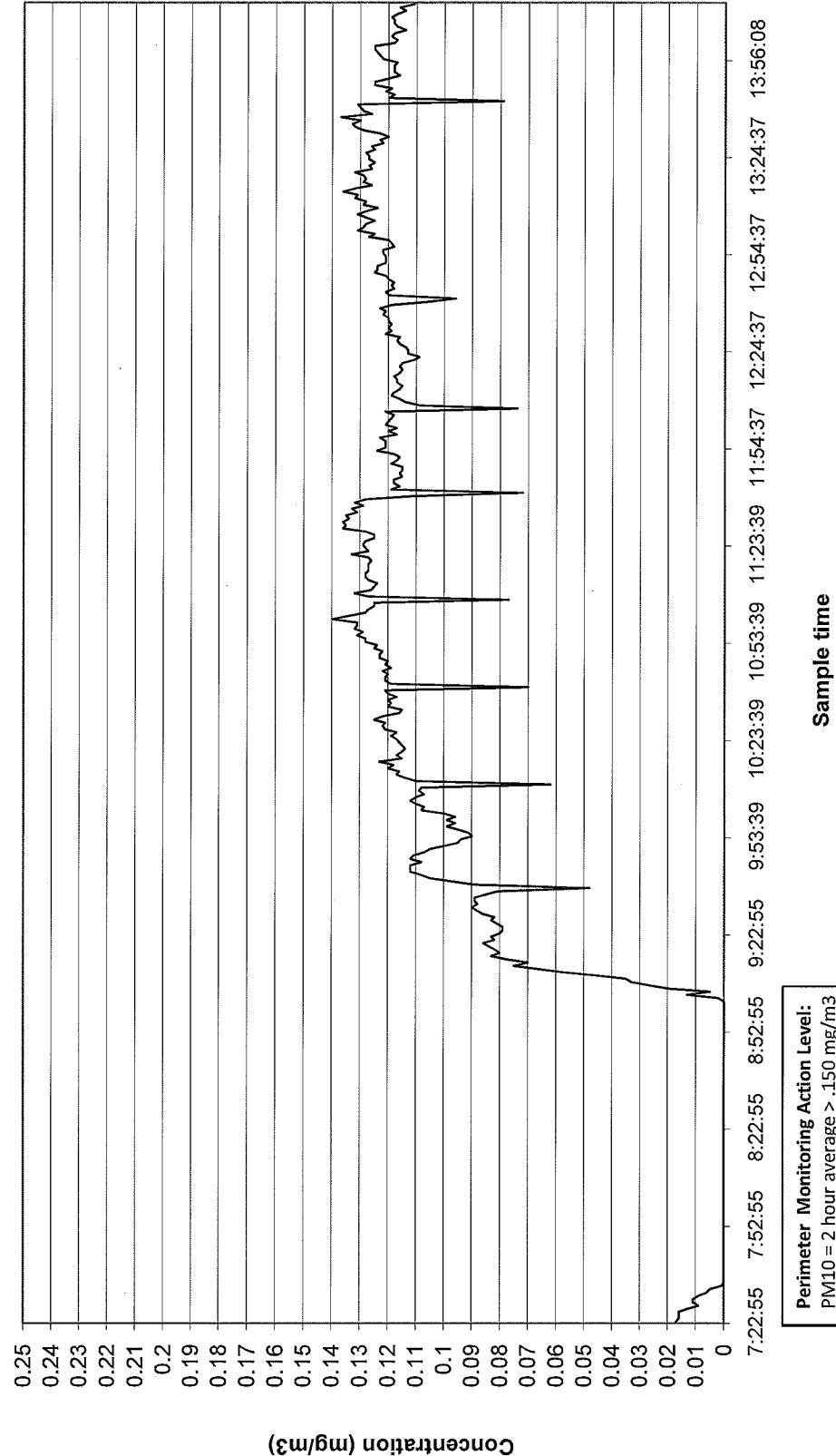
**Concentration Vs. Sample Time  
Perimeter Dust Meter Location 2  
8/13/08**



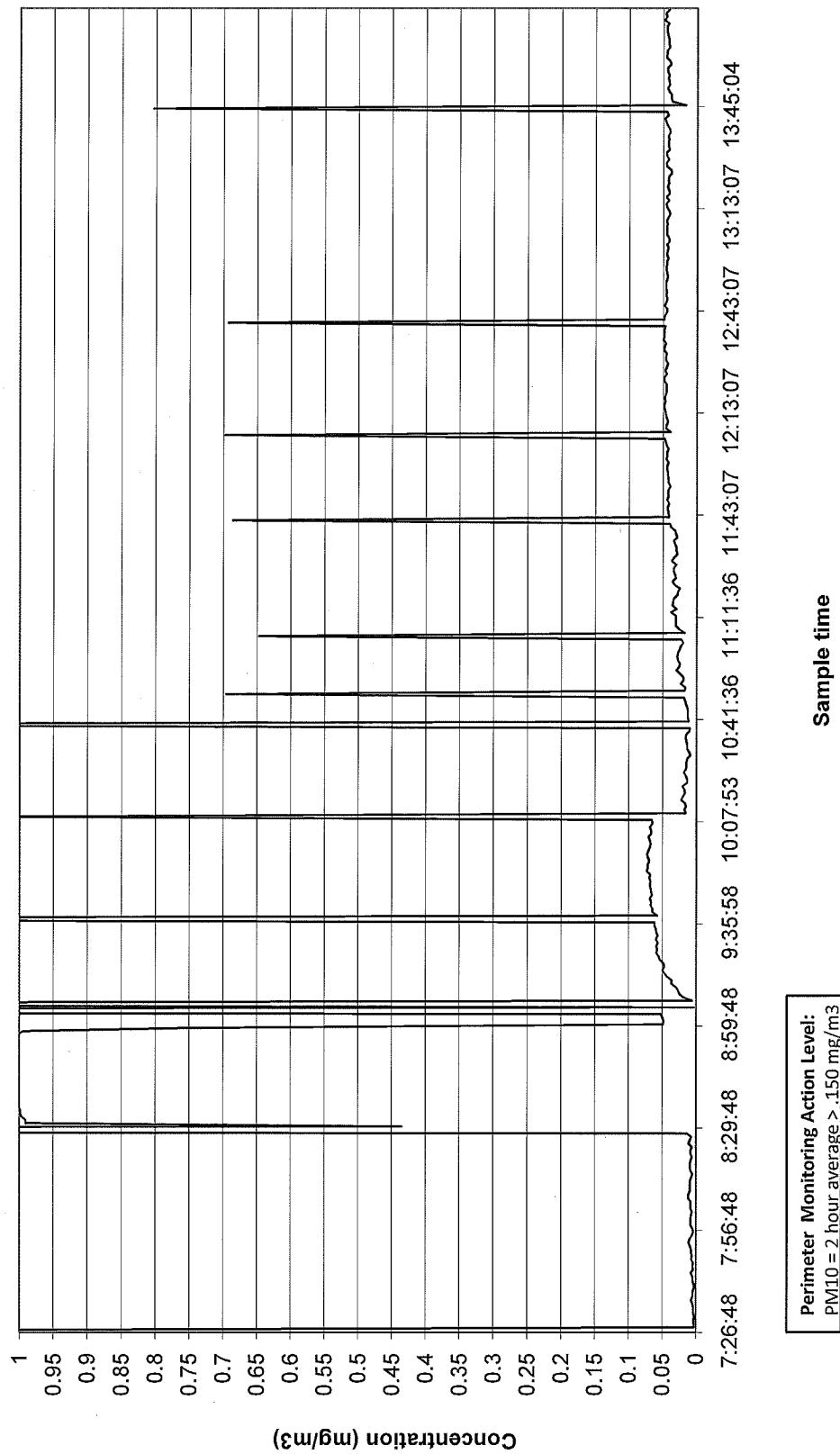
**Concentration Vs. Sample Time  
Perimeter Dust Meter Location 3  
8/13/08**



**Concentration Vs. Sample Time  
Perimeter Dust Meter Location 4  
8/13/08**



**Concentration Vs. Sample Time  
Perimeter Dust Meter Location 5  
8/13/08**



# Greenville Overlook

## Environmental Daily Status Report



**Date:** 8/14/08

**Weather:** Clear

**Temperature:** 65-80°

**Winds:** 3-5 mph (NW in A.M.  
and South in afternoon)

**Remediation Items Completed Today:** BrightFields set up perimeter air monitoring to record airborne dust levels. Lewis Environmental finished installing the temporary construction entrance to the site on the north side of the property. During the morning, Lewis graded the soil at the bottom of the construction entrance along Hercules Road. For the remainder of the day Lewis laid out geotextile fabric and spread six-inches of stone on top of the fabric according to the erosion and sediment control plans. During the activities, a BrightFields staff member recorded dust readings with a hand-held dust monitor at the point of construction.

DNREC was notified that the action limit for perimeter dust was exceeded at monitor Location 1 (north location). The majority of construction activity at the time of exceedance consisted of spreading stone from an off-site source. The dust monitor from Location 1 swapped with dust meter from Location 2 at 10:19 to determine if the elevated readings were due to meter operation. Lower readings were recorded at Location 1 after the swap which may indicate a meter malfunction. The meter will be inspected and serviced if required.

Data reported at location #5 includes spikes which occur in a rhythmic pattern apparently related to the measuring device itself. There were not sustained readings above action levels. The meter location was away from construction activity further supporting that the readings were not indicative of dust generated from construction.

**Remediation Items Ongoing:** The temporary construction entrance is completed.

**Material Management (Soil/Wood/Water):** No offsite disposal of material.

**Personal Protection Equipment Used by Workers:**

Used:  Safety glasses       Hard hat       Steel toe boots  
 Nitrile gloves       Hearing protection       Other:

**Needed:**

**Sampling or Monitoring Completed:**

(if yes, please specify the reason.)

**Air monitoring on site**       No       Yes, reason: Intrusive activity.

**Soil sampling**       No       Yes, reason:

# **Greenville Overlook**

## **Environmental Daily Status Report**



**BrightFields, Inc.**  
Environmental Services

**Visitors Briefed on Environmental Conditions:**

No visitors.

**Completed By:** Craig Olsen

Date: 8/14/08  
 Weather: clear 65- 80°

### Greenville Overlook Hand-Held Dust Meter Air Monitoring Log



Time	Location	Dust (mg/m <sup>3</sup> )	Notes (i.e.: source of problem, weather, etc.)	Actions Taken
07:40	North side of property, just east of the tennis courts	0.015	Lewis is installing a construction entrance they are ripping up blacktop and grading exposed soil.	No action needed
07:50		0.054		
08:05		0.039		
08:25		0.034		
09:28		0.038	Lewis rolled geotextile fabric over excavated construction entrance. They are now spreading stone on top of fabric.	
09:43		0.112	Dust caused from dumping and spreading stone on top of geotextile fabric.	
11:45		0.120	New load of stone arrived on site and Lewis is spreading the stone on the fabric again.	
12:10		0.040	Lewis continuing to spread the stone on the fabric.	
13:45		0.040		
13:54		0.656		
14:15		0.056		→
14:40		0.010		→

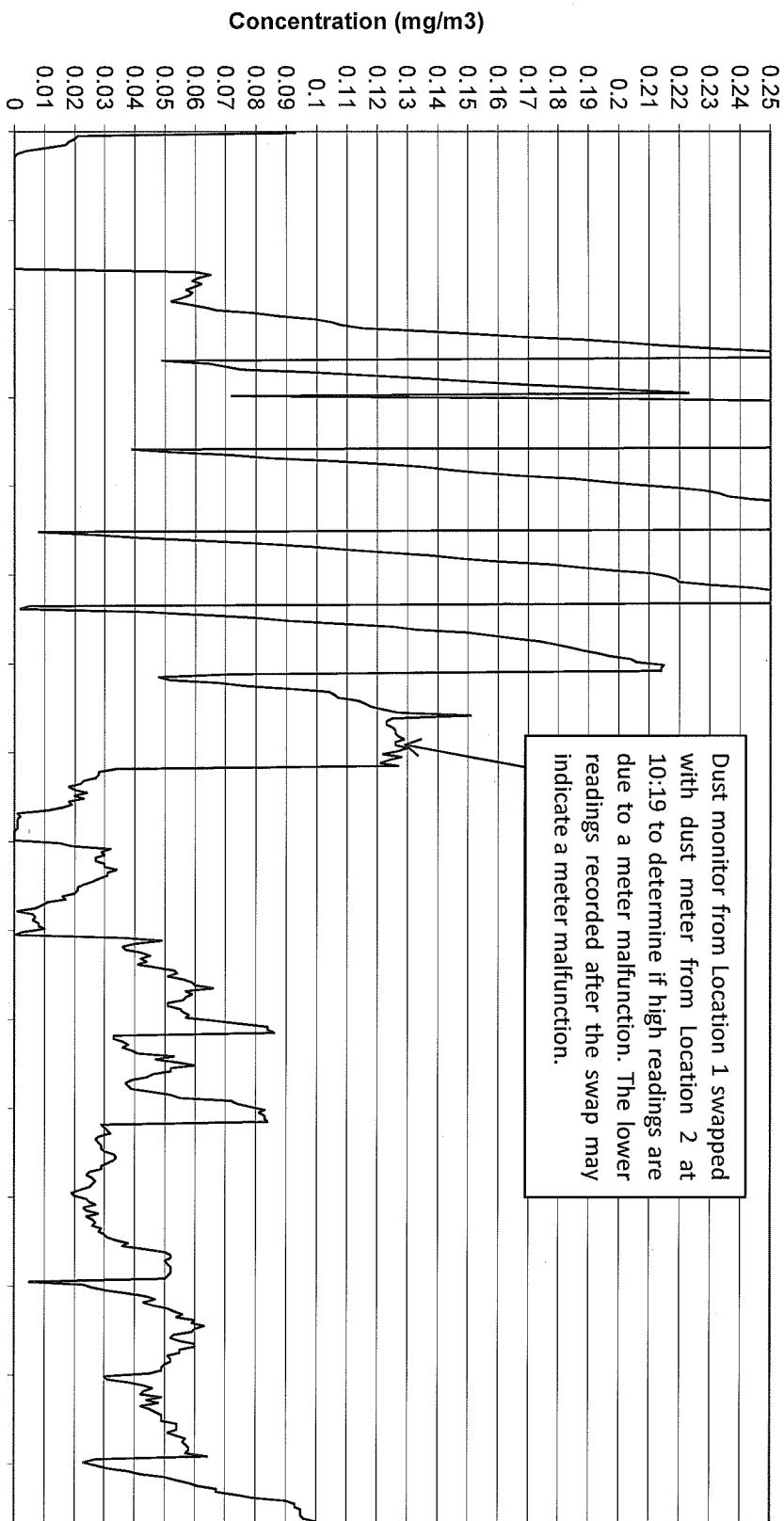
Action Levels for Dust (sustained, exceeding 5 minutes):
Dust Level
Level of Protection
0.8mg/m <sup>3</sup>
Level D plus engineering controls such as wetting surface.
Stop work, evacuate workers and implement more stringent engineering controls and possible Level C.
≥ 2 mg/m <sup>3</sup>

BrightFields Project # 1938.03.21

Form updated: 8/2/07 CSO

**Concentration Vs. Sample Time  
Perimeter Dust Meter Location 1**

**8/14/08**

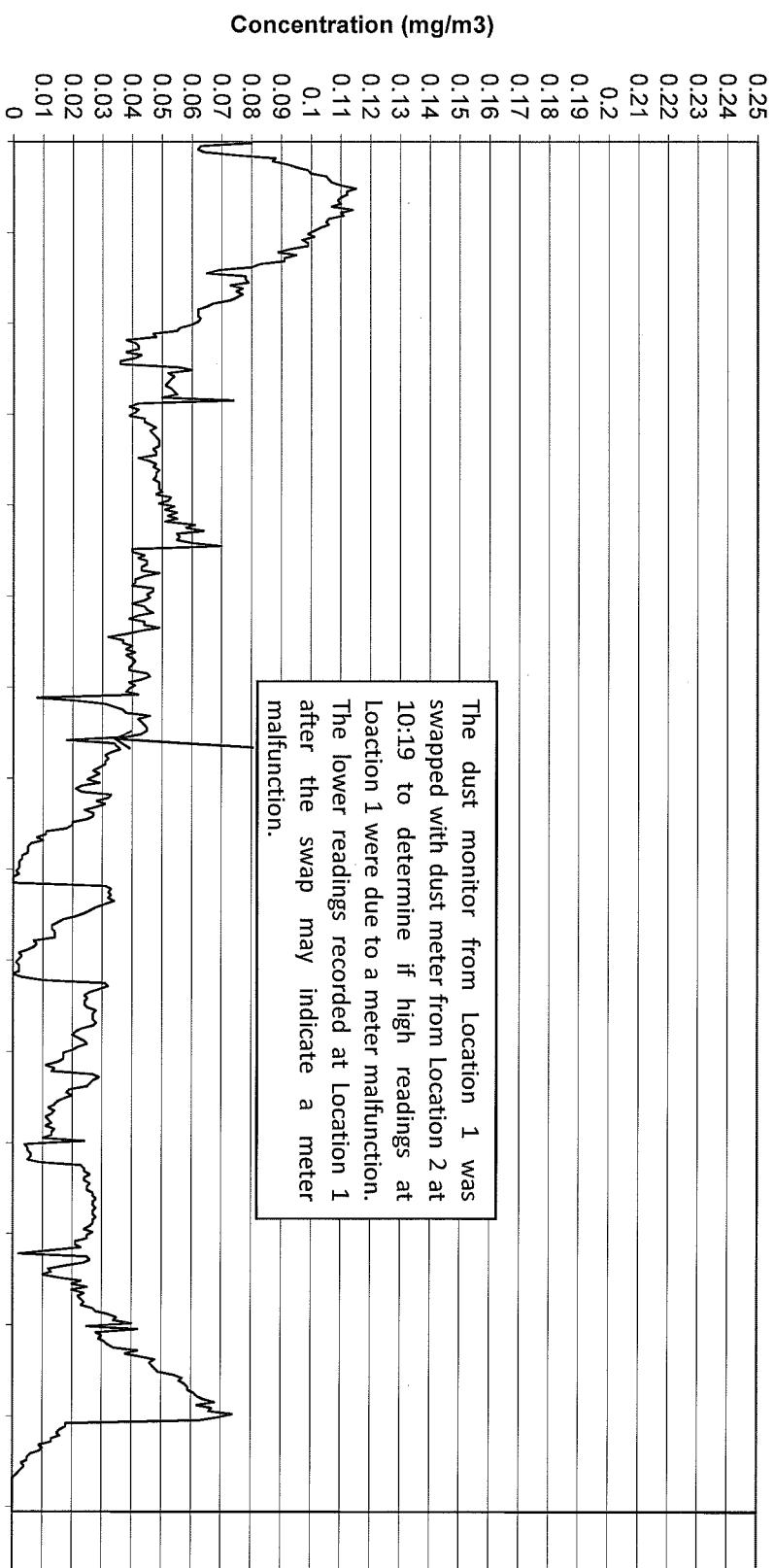


**Perimeter Monitoring Action level:  
PM10 = 2 hour average > .150 mg/m3**

**Sample time**

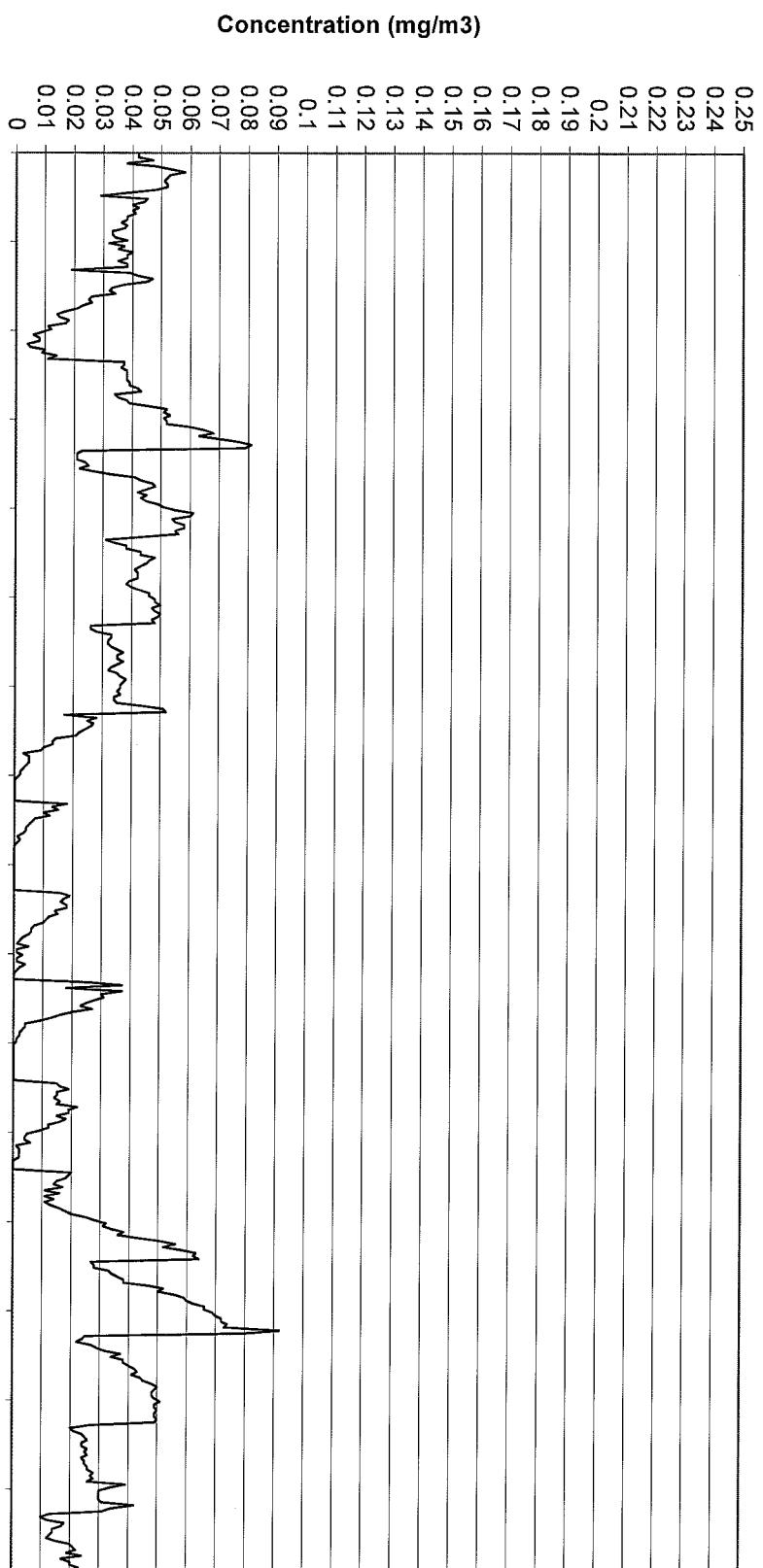
**Concentration Vs. Sample Time  
Perimeter Dust Meter Location 2**

**8/14/08**



**Perimeter Monitoring Action Level:**  
PM10 = 2 hour average > .150 mg/m<sup>3</sup>

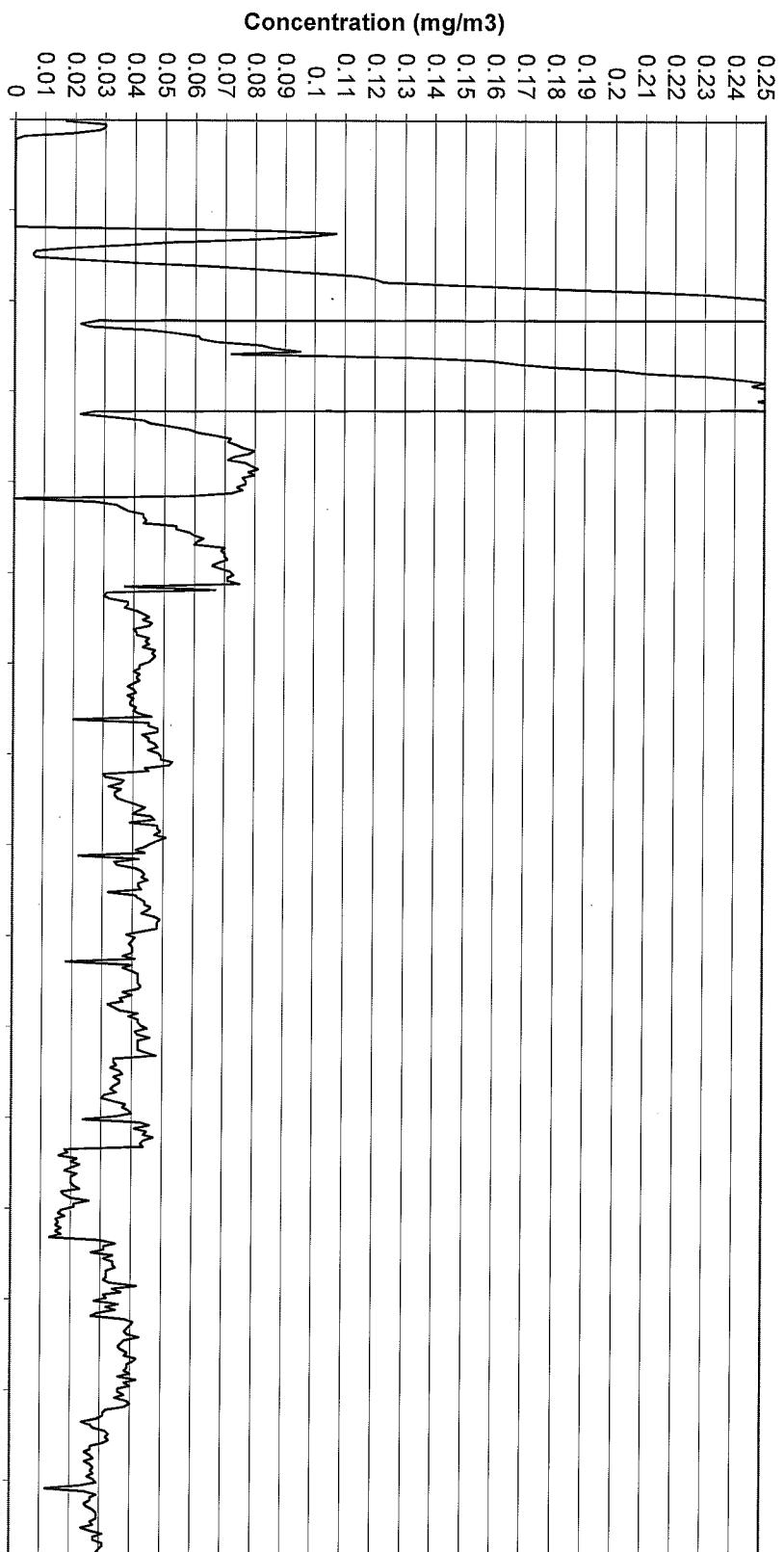
**Concentration Vs. Sample Time  
Perimeter Dust Meter Location 3  
8/14/08**



**Perimeter Monitoring Action Level:  
PM10 = 2 hour average > .150 mg/m<sup>3</sup>**

**Sample time**

**Concentration Vs. Sample Time  
Perimeter Dust Meter Location 4  
8/14/08**



**Perimeter Monitoring Action Level:  
PM10 = 2 hour average > .150 mg/m<sup>3</sup>**

**Concentration Vs. Sample Time  
Perimeter Dust Meter Location 5  
8/14/08**

